BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497611

Serial No. first and final bill:-

Name of Work Providing USD works From in ward No: 08 To

Name of Contractor of nature of Agency M/s KRIDL

Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Estimate Cost:	Rs. 10.00 lakhs					
	Job number:	008-18-000044					
	Head of Account:	P3295					
	A.S.NO:	AS/CE(YNK)/64/18-19; dt: 01.02.19					
	T.S.NO:	TS/CE(YNK)/108/18-19; dt: 01.02.19					
	Agg no:	NO. EE/BTP/Agg/260/18-19; dt: 08-03-19					
	Work order no:	No. BRMP/EE/BTP/WO/260/18-19; dt: 08-03-19					

MEASUREMENT BOOK

MAIN - BILL:-

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No.01: (a)	Excavating for pipe line trenches by mechanical & manual means including ramming of bottoms, providing barricading shoring, strutting, dewatering etc,					of required width dressing sides, danger lighting	
	Qty vide page no	4976	12 →	158.55 cum			
	At the rate of Rs.	167.00 →					26477.85
(b)	Qty vide page no.	497613 →		99.66 cum			
	At the rate of Rs.	225.00 →					22423.50

M. A.
Mea

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
Item No.02: (a):-	Excavating for mechanical & manual means bottoms, providing barrica dewatering, etc, in ~~all~~ ~~soil~~ ~~etc~~ ~~to~~ disintegrated hard rock comprising of fissured rock without	
	Qty vide page no	49
	At the rate of Rs.	404

T BOOK

Dimensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
trenches including barricading etc,		of required width dressing sides, danger lighting	
158.55 cum			26477.85
99.66 cum			22423.50

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497622

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 03: (a):- Excavating for pipeline trenches of required width by mechanical & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring, strutting dewatering, etc, in ~~All kinds of soil mixed with boulders of 30cms size etc, to~~ disintegrated rock, soft rock, soft shale and medium hard rock comprising of lime stone, sand stone, hard shale, schiest, fissured rock without resorting.						
	Qty vide page no 497614 →			31.71 cum			12810.84
	At the rate of Rs. 404.00 →						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2b):- Qty vide page no.	497	614 →		19.93 cum		
	At the rate of Rs. ~~406.00~~ 460 →						9167.80
	Item No.03:- Excavating for pipe line trenches of required width, by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring, strutting, dewatering etc in hard rock by chistelling to proper slope etc,						
	(a) Pipes of all dia for depth upto 2.0m.						
	Qty vide page no	497	614 →		20.84 cum		
	At the rate of Rs. 1487.00 →						30989.08

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	(b) Pipes of all dia for de	
	Qty vide page no.	
	At the rate of Rs.	
	Item No.04:- Refilling of ex	
	20cms, in depth, compa	
	after watering all lea	
	including consolidation	
	in charge., for restora	

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
	19.93 cum		9167.80
nches of required width by			
ding dressing sides,			
rrieading, danger lighting,			
in hard rock by chistelling			
	2.0m.		
	20.84 cum		30989.08

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497623

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(b) Pipes of all dia for depth 2.0m to 4.0m:						
	Qty vide page no. 497614 →				13.29 cum		
	At the rate of Rs. 1602.00 →						21090.58
	Item No 04:- Refilling of earth around pipelines, in layers not exceeding 20cms, in depth, compacting each deposited layer by ramming after watering all lead and lift including cost of all labours including consolidation by mechanical means approved by the Engineer in charge., for restoration of roads without settlement including						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	HOM of machineries, complete. (The contractor shall take care while consolidating the earth, so that pipes laid are not damaged due to mechanical compaction and shall restore the damaged pipes at his own cost, in case of damage) etc.,						
	Qty vide page no	497616 →		225.87 cum			
	@ the rate of Rs. 103.00 →					23264.60	
	Item No.05:- Cutting road surfaces for pipelines trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., on the classifications for macadam.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Qty vide page no. 49	
	@ the rate of Rs. 85	
	Item No.06:- Providing an	
	of mix 1:3:6 with OPC c	
	granite metal coarse a	
	c 0.56 cum, machine mi	
	well compacted in founda	
	materials, labour, HOM	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
ractor	shall take care	
pipes laid are not		
and shall restore the		
e of damage) etc.,		
87 cum		
		23264.60
ines trenches and		
lirected including		
the classifications		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497624

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page no. 497616 →			30.20 cum			
	@ the rate of Rs. 859.00 →						25941.80
	Item No.06:- Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.56 cum, machine mixed, concrete laid in layers not exceeding 15cms. well compacted in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specification.						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page no. 49761A →			18.12 Cum			84964.70
	At the rate of Rs. 4689.00 →						
Item No 07:-	Providing and installing sheet piling for both sides of the trenches for following depths with mild steel sheets of not less than 6.5mm th, stronger knife edge, recessed spreader sockets, 3 inch single or double wall ~~sheilds~~ sheilds, to be designed by the contractor to withstand all types of soils, max depth as per the approved design drawings, including labour charges for installing and removing the sheet piling complete with all lead and lifts.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2
	Qty vide page no
	At the rate of Rs
Item No 08:-	casting
	mentioned below an
	vehicle including lo
	Qty vide page
	At the rate of

BOOK

ons		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
.12 cum			84964.70
eet piling for both sides			
with mild steel sheets			
nife edge, recessed			
ouble wall ~~sh~~ shields, to			
hsland all types of soils,			
gn drawings, including			
d removing the sheet			
d lifts.			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497625

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page no. 497617 → 120.80 cum						64144.80
	At the rate of Rs. 531.00 →						
	Item No. 08:- casting of excavated earth of all types upto a distance mentioned below and recasting back the earth to the same site by vehicle including loading, unloading charges.;						
	Qty vide page no. 497618 → 180.0 cum						60300.00
	At the rate of Rs. 335.00 →						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 09:- Disposal off the exicss excavated earth of all types by vehicle including loading, unloading with all lead and lifts, labours, tion of machineries etc., distance of 10 KM. Qty vide page no. 497618 → 117.97 cum At the rate of Rs. 243.00 →						28666.70
	Item No. 10:- Supplying 900 RCC SPUN/VIBRATED CAST PIPES (REINFORCED) pipes NP-3 class conforming to IS: 458-1988 with latest amendments using ordinary portland cement. for sanitary works and conveying to work site, rolling and lowering into trenches, works and conveying to work site,						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	and specials includi jack to correct pos with all leads and l test as per IS to the complete. Qty vide page At the rate of R

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
ated earth of all types by			
ding with all lead and			
etc., distance of 10 KM.			
117.97 cum			28666.70
UN	VIBRATED CAST PIPES		
conforming to IS: 458-1988			
ordinary portland cement.			
ng to work site, rolling and			
d conveying to work site,			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497626

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and specials including cost of specials, perfect linking of joints with						
	Jack to correct position of specials, perfect linking of joints with						
	with all leads and lifts as directed and giving necessary hydraulic						
	test as per IS: to the required pressure and commissioning etc.)						
	complete.						
	Qty vide page no. 497618 →					117.50 cum	
	At the rate of Rs. 1953.00 →						230063.40

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 11(a):- Providing and constructing "MANHOLE CHAMBERS" using sulphate resistant cement, Conicked in shape at top with c/c 1:3:6 foundation using 40mm and down size graded metal of approved quality and with an offset of 0.15m around the chamber. Constructed brick masonry in CM 1:4, 340mm th, with wire cut bricks of approved quality, plaster inside and outside with CM 1:3, 12mm th., except for the co-Nickel surface outside where the plaster thickness shall be 20mm. Constructing brick masonry circular Manholes 1.2m internal dia; 'WIRE CUT BRICKS						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Qty vide page no. 4 At the rate of Rs. 3	
	Item No. 11(d):- Depth a	
	Qty vide page no At the rate of Rs	

OK

Depth 6	Contents 7	Reference to last Measurement 8
		'BURE CUT BRICKS resistant cement, 6 foundation using of approved quality the chamber. 0 mm th, with wire cut side and outside with tel surface outside m. constructing internal dia;

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497627

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page no. 497619 →			04 nos			123180.00
	At the rate of Rs. 30795.00 →						
	Item No. 11(d):- Depth above 2m and below 3m.						
	Qty vide page no. 497619 →			3.7m			52414.20
	At the rate of Rs. 14166.00 →						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.12:- Conducting the level and strip of survey of alignment of main sewers of required diameter including all data required for generating GIS map of sewer networks, preparation and submission of plan and LS with ground level at 30m. interval and junction points along the centre line of the alignment etc.,						
	Qty vide page no. 497670 →					120.80m	
	At the rate of Rs. 28.00 →						3382.40
	Item No.13:- Providing, erecting and removing, cassuring pok three tier barricading using poles of 7.5 to 10cms dia and						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	1.5m height abov grou centre to centre and including fixing pol and tied with coir of all materials, labo
	Qty vide page n
	At the rate of

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
strip of survey of alignment			
ter including all data			
p of sewer networks,			
lan and LS with ground			
n points along the			
20·80m			
			3382.40
rmoring, casuring			
poles of 7·5 to 10cms dia and			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497628

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	1·5m height above ground fixed vertically at intervals of 2·0 to 2·5m centre to centre and horizontally at 0·5m above ground level, including fixing poles in ground for a maximum depth of 0·3m and tied with coir rope firmly including cost and conveyances of all materials, labour, lead & lift charges etc,						
	Qty vide page no. 497620 →				120·80 cum		
	At the rate of Rs. 52·60 →						6281·60

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item. No. 14:- construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing, compacting with vibratory power roller to achieve the desired density complete as per specification						
	Qty vide page no. 497620 →					24.16 cum	
	At the rate of Rs. 2171.90 →						52473.10
	Item. No. 15:- Providing, laying, spreading and compacting crushed aggregates of granite / trap / basalt to wet-mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	in uniform layers with surface and compacti desired density	
	Qty vide page no	
	At the rate of Rs.	

20/8/13

OOK

Depth 6	Contents 7	Reference to last Measurement 8
se by providing close		
f granite / trap / basalt		
ibratory power roller		
as per specification		
6 cum		
		52473.10
g and compacting		
p / basalt to wet-mix-		
ormixing the		
nical mix plant		
er to site, laying		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497623

Serial No. ..... From ..... To .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	in uniform layers with paver in sub/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete.,						
	Qty vide page no. 497620 →				18.12 cum		
	At the rate of Rs. 1667.00 →						30206.04
	Total =						908442.99
	Verified SE 31/05						
	Clerk Dy 20/5/13						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	GST charges @ 12% (Sr No. 6 & 15-16)					= 20174.26	
	Add 4% KRIDL charges					= 36337.72	
	Add 1.5% third party inspection charges					= 13626.64	
						970524.60	
	Grand total =					964898.00	
	A/Hqlly. N.D AE(W4) 20/5/19						
	Assistant Executive Engineer Byatarayanapura Sub-Division KRIDL, BMP, Bangalore						
	Assistant Executive Engineer, Kodigehalli Division, Yelahanka, B.B.M.P., Bangalore. 20/5						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

AMCO

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
0·68 15-16)		= 20117·26	
		= 36337·72	
pection charges		= 13626·64	
		97852·4·00	
tal =		964898·00	

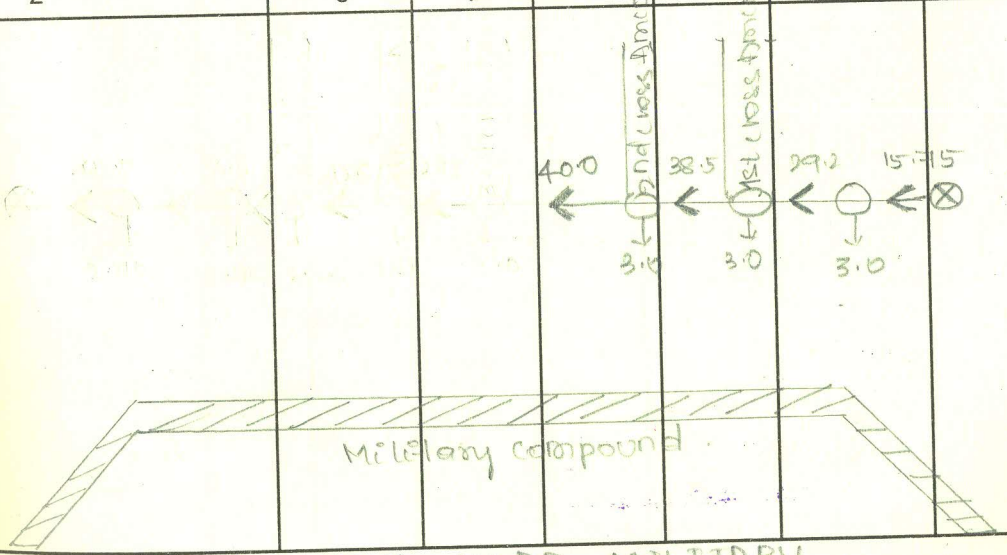
Executive Engineer,
Division,
K.S.H.M.P.,
Bangalore.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497630

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8



AMCO LAYOUT NEAR MILITARY

Ashly. N.D
AE(DT)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:- 1). Certified that work done by the contractor is satisfactory. 2). Certified that no material is issued from the department. Abhilash.N.D AE(Civil)						

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of wor
1	2
	1st & Final ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 9.6 ಗಳ ಪ್ರಮಾಣ ಮಾಡಿದೆ : ಇದರ ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಆ Rs: Eight Lakh twenty nine ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದ ಲೆಕ್ಕಾಧೀಕ್ಷಕರು 31/5 ವ್ಯಾಪಾರಾಭಿವೃದ್ಧಿ ವಿಭಾಗ ಬೃ. ಬೆ. ಮ. ಪಾ 31

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8

ontractor is satisfactory.

ued from the

M/s
utive Engineer,
Sub Division,
ce, B.B.M.P.,
galore.

57 (Rule 116)
rement Book

No. B 497631

Serial No. .....
Name of Work ..... To.....
Name of Contractor of nature of Agenc .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	M/s & Final Bill.						

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 9.64.898-೮

ಗಳಿಗೆ ಪಾಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 101869-೮

ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 863029-೮

Rs: Eight Lakh Sixty three thousand
Twenty nine only.

ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ಲೆಕ್ಕಾಧೀಕ್ಷಕರು 31/5
ವ್ಯಾಪಾರಾಯನಪುರ ವಿಭಾಗ
ಬೃ. ಬೆ. ಮ. ಪಾ

ಕಾ. ಇ. ಅ 31/05
ವ್ಯಾಪಾರಾಯನಪುರ ವಿ
ಬೃ. ಬ. ಮ. ಪಾ

31/5

Total Rs. 9,78,524-೮.
Totalled : 9.64,898-೮.

GT -	19298-೮
Cess -	9649-೮
CBF -	965-೮
LR -	6482-೮
CGST -	8615-೮
SGST -	8615-೮
FSD -	48245-೮.
Adju.	101869-೮.
Cheque Rs:	863029-೮